

## Product datasheet for **TA318979**

### DGAT1 Rabbit Polyclonal Antibody

#### Product data:

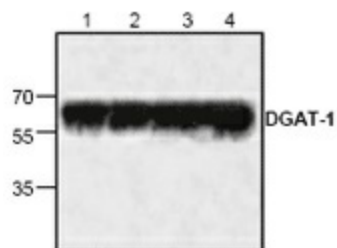
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5-4 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding amino acids 308 of mouse DGAT-1
Formulation:	100 µg (0.5 mg/ml) affinity purified rabbit anti-DGAT-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	diacylglycerol O-acyltransferase 1
Database Link:	<a href="#">NP_036211</a> <a href="#">Entrez Gene 13350 Mouse</a> <a href="#">Entrez Gene 84497 Rat</a> <a href="#">Entrez Gene 8694 Human</a> <a href="#">O75907</a>
Background:	Diacylglycerol acyltransferase is also known as DGAT1 is a microsomal enzyme. It is involved in the synthesis of fatty acids into triglycerides. DGAT utilizes diacylglycerol (DAG) and fatty acyl CoA as substrates to synthesize triacylglycerol. DGAT plays an important role in the metabolism of cellular diacylglycerol and is essential in the physiologic processes of higher eukaryotes that includes triacylglycerol metabolism such as intestinal fat absorption, lipoprotein assembly, adipose tissue formation, and lactation.
Synonyms:	ARAT; ARGP1; DGAT; DIAR7
Protein Families:	Transmembrane



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Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

**Product images:**



Western blot analysis of DGAT-1 in lysates from Jurkat cells (Lane 1, 2), 3T3 cells (Lane 3), and rat kidney tissue lysate (Lane 4).